

FTONE GMW-605

is a water-based stone protector with oil, water and stain repellency.

Product Features

- Aqueous fluorochemical material solution developed by Daikin proprietary technology
- Based on C-6 hybrid fluoroalkyl technology
- Protects various stone and tile surfaces against ordinary and aggressive soiling, e.g. oil stains, food, liquid spillage (red wine, ink, coffee etc.), and effluents from industrial waste
- Is used in water-based penetrating sealers for stone and other porous surfaces such as wood and concrete

Physical Properties

Appearance	Pale yellow solution
Analysis	25 mass% solids 75 mass% water
Specific gravity at 25°C	Approx. 1,1
pH value	4,5 - 5,0
Flash point	None
Solubility	Readily dissolves in cold water

Table 1: Typical properties are not suitable for specification purposes.

Storage / Shipping

- GMW-605 should be stored at a temperature between -5°C and 30°C
- Non-Red label (non-flammable material)

Safety and Toxicology

Before using this product, please read the current Material Safety Data Sheet and the precautionary statement on the product package.

Follow all applicable directions.

Packaging

18kg and 200kg

Regulation

GMW-605 is registered with U.S. TSCA.

Performance test results on stone

1. Preparation

Dilute 1 part GMW-605, other fluoro products A, B in approximately 11 parts / 9 parts de-ionized water (2 mass% / 3 mass%).

Apply to the substrate by brush at approximately 200 g/m².

Allow to dry for approximately 12 hours at room temperature.

2. Evaluation

Olive oil, salad oil, red oil, motor oil, red wine, coffee, blue ink and gargle were placed on the treated substrate.

After 24 hours, the substrates were washed with water without detergent and allowed to dry.

The remaining stains were rated: 5: no stain, 4: very light stain, 3: light stain, 2: moderate stain, 1: heavy stain (same as untreated).

3. Result on unpolished granite

	GMW-605		Fluoro product A		Fluoro product B	
	2 mass%	3 mass%	2 mass%	3 mass%	2 mass%	3 mass%
1. Olive oil	5	5	2	4	2	3
2. Salad oil	4	4	2	3	2	3
3. Red oil	4	5	2	3	1	3
4. Motor oil	4	4	2	3	2	3
5. Red wine	5	5	4	3	3	3
6. Coffee	5	5	4	4	4	4
7. Blue ink	3	3	2	3	1	2
8. Gargle	4	4	4	3	4	3
Total	34	35	22	26	19	24

Table 2: Test results. Staining of unpolished granite treated with GMW-605 vs. others

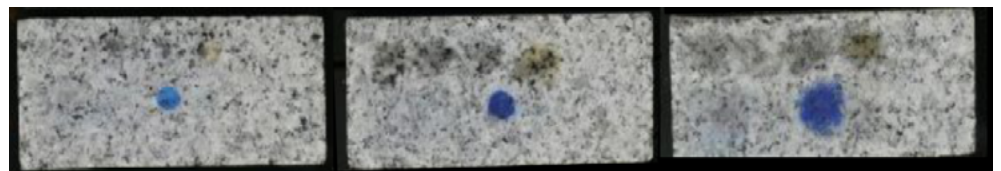


Figure 1: Granite treated with 2 mass% GMW-605, fluoro product A, fluoro product B



Figure 2: Granite treated with 3 mass% GMW-605, fluoro product A, fluoro product B

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